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Atty Ref. No: BC-0264-US-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OFFICIAL

In re Application of: Felt, et al.

Serial No.: 10/708,856

Filed: March 29, 2004

For: Fluid Separation Systems and/or Methods Using a
Fluid Pressure-Driven and/or Balanced Approach

EFS Number 58028

Customer Number: 24994

Group Art No: 1723
Examiner: Not yet assigned

INFORMATION DISCLOSURE STATEMENT

Sir:

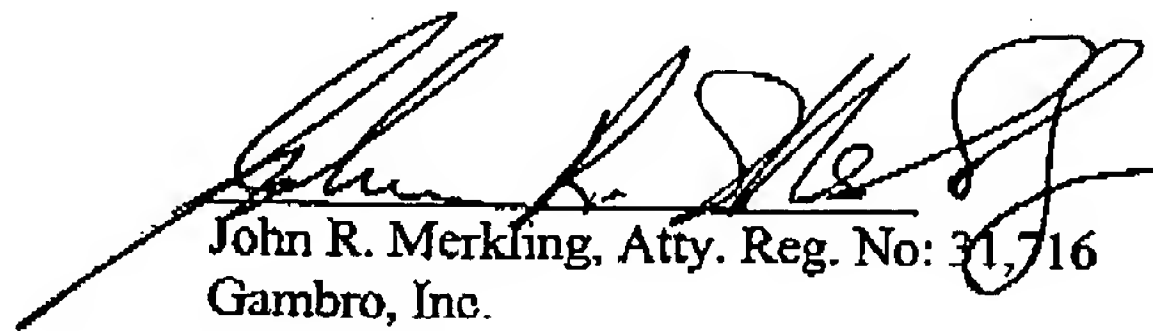
Pursuant to 37 C.F.R. § 1.56, Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. It is believed this Information Disclosure Statement is being filed within three (3) months of the filing date of this application and before the first Office Action on the merits and thus no fee should be due (see 37 C.F.R. 1.97 (b)). If this is incorrect, please charge deposit account 03-2316.

This application is a divisional application of U.S. Serial Number 10/008,989, filed November 2, 2001. All of the references cited on the attached PTO Form 1449 were cited in the parent application and thus copies of these are not attached. Also cited is the International Search Report for PCT/US01/46953 corresponding to the parent application (copy attached).

This submission does not represent that a search has been made or that no better information exists and does not constitute an admission that each or all of the listed documents alone or in combination, are considered to be material to patentability as defined under 37 C.F.R. § 1.56(b).

If there are any questions, any representative of the U.S. Patent and Trademark Office is encouraged to call the undersigned attorney of record at the below-printed telephone number.

Respectfully submitted,

20 May 2004
Date
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		Sheet 1 of 7	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO. BC-0264-US03	SERIAL NO. 10/708,856
		APPLICANT FELT, et al.	
		FILING DATE 3/29/2004	GROUP ART 1723

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	Re. 33,924	5/1992	Valeri			
	247,804	10/1881	De Laval			
	426,275	4/1890	Hult et al			
	487,943	12/1892	Beimling			
	585,936	7/1897	Linders			
	748,038	12/03	Ayers			
	3,145,713	8/1964	Latham, Jr.			
	3,304,990	2/67	Ontko et al			
	3,311,296	3/67	Torobin			
	3,489,145	1/70	Judson et al			
	3,519,201	7/1970	Eisel et al.			
	3,655,123	4/1972	Judson et al.			
	3,737,096	6/1973	Jones et al.			
	3,747,843	7/73	Joyce et al			
	3,748,101	7/1973	Jones et al.			
	3,825,175	7/1974	Sartory			
	3,843,046	10/74	Joyce			
	3,864,089	2/75	Tiffany et al			
	3,880,592	4/1975	Kelly et al.			
	3,955,755	5/1976	Breillatt, Jr. et al.			
	3,957,197	5/76	Sartory et al			
	3,986,442	10/1976	Khoja et al.			
	4,007,871	2/1977	Jones et al.			
	4,010,894	3/1977	Kellogg et al.			
	4,018,304	4/1977	Lolachi et al.			
	4,059,108	11/1977	Latham, Jr.			
	4,086,924	5/1978	Latham, Jr.			
	4,091,989	5/78	Schltz			
	4,094,461	6/1978	Kellogg et al.			
	4,108,353	8/1978	Brown			
	4,109,852	8/1978	Brown et al.			
	4,109,854	8/1978	Brown			
	4,109,855	8/1978	Brown et al.			
	4,111,356	9/1978	Boggs et al.			
	4,113,173	9/1978	Lolachi			
	4,114,802	9/1978	Brown et al.			
	4,120,448	10/1978	Cullis			
	4,120,449	10/1978	Brown et al.			
	4,146,172	3/1979	Cullis et al.			
	4,164,318	8/1979	Boggs			
	4,185,629	1/1980	Cullis et al.			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO. BC-0284-US03	SERIAL NO. 10/708,856
		APPLICANT FELT, et al.	
		FILING DATE 3/29/2004	GROUP ART 1723

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	4,187,979	2/1980	Cullis et al.			
	4,191,182	3/1980	Popovich et al.			
	4,194,684	3/1980	Boggs			
	4,216,770	8/1980	Cullis et al.			
	4,226,669	10/80	Vilardi			
	4,245,383	1/1981	Boggs			
	4,303,193	12/1981	Latham, Jr.			
	4,304,357	12/1981	Schoendorfer			
	4,330,080	5/1982	Mathieu			
	4,332,351	6/1982	Kellogg et al.			
	4,342,420	8/82	Rosemeier et al.			
	4,379,452	4/1983	DeVries			
	4,386,730	6/1983	Mulzet			
	4,387,848	6/1983	Kellogg et al.			
	4,402,680	9/1983	Schoendorfer			
	4,416,654	11/1983	Schoendorfer et al.			
	4,416,778	11/1983	Rogers			
	4,417,884	11/1983	Schoendorfer et al.			
	4,421,503	12/1983	Latham, Jr. et al.			
	4,425,112	1/1984	Ito			
	4,430,072	2/1984	Kellogg et al.			
	4,435,293	3/1984	Graham, Jr. et al.			
	4,436,631	3/1984	Graham, Jr. et al.			
	4,439,178	3/1984	Mulzet			
	4,447,221	5/1984	Mulzet			
	4,464,167	8/1984	Schoendorfer et al.			
	4,482,342	11/1984	Lueptow et al.			
	4,526,515	7/1985	DeVries			
	4,531,932	7/1985	Luppi et al.			
	4,557,719	12/1985	Neumann et al.			
	4,610,846	9/1986	Martin			
	4,636,193	1/1987	Cullis			
	4,637,813	1/1987	DeVries			
	4,647,279	3/1987	Mulzet et al.			
	4,670,147	6/1987	Schoendorfer et al.			
	4,675,106	6/1987	Schoendorfer et al.			
	4,675,117	6/1987	Neumann et al.			
	4,696,666	9/1987	Rice, Jr.			
	4,708,712	11/1987	Mulzet			
	4,713,176	12/1987	Schoendorfer et al.			
	4,734,089	3/1988	Cullis			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	APPLICANT FELT, et al.	
	FILING DATE 3/29/2004	GROUP ART 1723

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	4,738,655	4/1988	Brimhall et al.			
	4,740,313	4/1988	Schoendorfer et al.			
	4,753,729	6/1988	Schoendorfer et al.			
	4,755,300	7/1988	Fischel et al.			
	4,776,964	10/1988	Schoendorfer et al.			
	4,790,807	12/1988	Neumann et al.			
	4,804,363	2/1989	Valeri			
	4,806,247	2/1989	Schoendorfer et al.			
	4,816,151	3/1989	Schoendorfer et al.			
	4,824,431	4/89	McAlister			
	4,834,890	5/1989	Brown et al.			
	4,850,995	7/1989	Tie et al.			
	4,850,998	7/1989	Schoendorfer			
	4,851,126	7/1989	Schoendorfer			
	4,869,812	9/1989	Schoendorfer et al.			
	4,879,040	11/1989	Prince et al.			
	4,889,524	12/89	Fell et al.			
	4,911,833	3/1990	Schoendorfer et al.			
	4,919,817	4/1990	Schoendorfer et al.			
	4,934,995	6/1990	Cullis			
	4,935,002	6/1990	Gordon			
	4,940,543	7/1990	Brown et al.			
	4,943,273	7/1990	Pages			
	4,944,883	7/1990	Schoendorfer et al.			
	4,968,295	11/1990	Neumann			
	4,983,158	1/1991	Headley			
	4,990,132	2/1991	Unger et al.			
	5,006,103	4/1991	Bacchowski et al.			
	5,034,135	7/1991	Fischel			
	5,045,048	9/91	Kaleskas et al.			
	5,053,121	10/1991	Schoendorfer et al.			
	5,053,127	10/1991	Schoendorfer et al.			
	5,061,381	10/1991	Burd			
	5,104,526	4/1992	Brown et al.			
	5,114,396	5/1992	Unger et al.			
	5,135,667	8/1992	Schoendorfer			
	5,147,290	9/1992	Jonsson			
	5,171,456	12/1992	Hwang et al.			
	5,186,844	2/1993	Burd et al.			
	5,186,844	2/93	Burd et al.			
	5,188,583	2/1993	Guigan			

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	FILING DATE 3/29/2004	GROUP ART 1723

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	5,194,145	3/1993	Schoendorfer			
	5,211,808	5/93	Vilardi et al			
	5,217,426	6/1993	Bacehowski et al.			
	5,217,427	6/1993	Cullis			
	5,260,598	1/1993	Brass et al.			
	5,275,731	1/1994	Jahn			
	5,281,342	1/1994	Biesel et al.			
	5,295,953	3/1994	Richard et al.			
	5,298,171	3/1994	Biesel			
	5,370,802	12/1994	Brown			
	5,376,263	12/1994	Fischel			
	5,405,308	4/1995	Headley et al.			
	5,421,812	6/1995	Langley et al.			
	5,445,593	8/1995	Biesel et al.			
	5,464,534	11/1995	Fischel			
	5,494,592	2/1996	Latham, Jr. et al.			
	5,571,068	11/1996	Bacehowski et al.			
	5,605,842	2/1997	Langley et al.			
	5,607,579	3/1997	Latham, Jr. et al.			
	5,607,830	3/1997	Biesel et al.			
	5,611,997	3/1997	Langley et al.			
	5,614,106	3/1997	Payrat et al.			
	5,651,766	7/1997	Kingsley et al.			
	5,653,887	8/1997	Wahl et al.			
	5,674,173	10/1997	Hlavinka et al.			
	5,702,357	12/1997	Bainbridge et al.			
	5,704,888	1/1998	Hlavinka et al.			
	5,704,889	1/1998	Hlavinka et al.			
	5,722,926	3/1998	Hlavinka et al.			
	5,723,050	3/1998	Unger et al.			
	5,728,060	3/1998	Kingsley et al.			
	5,733,253	3/1998	Headley et al.			
	5,738,644	4/1998	Holmes et al.			
	5,738,792	4/1998	Schoendorfer			
	5,779,660	7/1998	Kingsley et al.			
	5,783,085	7/1998	Fischel			
	5,792,038	8/1998	Hlavinka			
	5,853,382	12/1998	Kingsley et al.			
	5,876,321	3/1999	Hlavinka et al.			
	5,882,289	3/1999	Sakota et al.			
	5,885,239	3/1999	Headley et al.			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	APPLICANT FELT, et al.	
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	5,904,355	5/1999	Powers			
	5,939,319	8/1999	Hlavinka et al.			
	5,951,877	9/1999	Langley et al.			
	5,954,626	9/1999	Hlavinka			
	6,007,509	12/1999	Kingsley et al.			
	6,019,742	2/2000	Headley et al.			
	6,039,711	3/2000	Headley et al.			
	6,053,856	4/2000	Hlavinka			
	6,062,078	5/2000	Meisberger			
	6,074,335	6/2000	Headley et al.			
	6,099,491	8/2000	Headley et al.			
	6,102,883	8/2000	Kingsley et al.			
	6,200,287	3/2001	Keller et al.			
	6,221,315	4/2001	Giesler et al.			
	6,261,217	7/2001	Unger et al.			
	6,273,849	8/2001	Scherer			
	6,277,060	8/2001	Neumann			
	6,280,375	8/2001	Meisberger et al.			
	6,296,602	10/2001	Headley			
	6,312,372	11/01	Larsson et al.			
	6,315,707	11/2001	Smith et al.			
	6,319,471	11/2001	Langley et al.			
	6,322,488	11/2001	Westberg et al.			
	6,325,775	12/2001	Thom et al.			
	6,334,842	1/2002	Hlavinka et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

DOCUMENT NUMBER	PUBLISHED DATE	CO	CLASS	SUBCLASS	TRANSLATION
DE 26 58 926	12/1976	DE			
DE 38 17 664	11/1989	DE			
EP 0 096217	2/1983	EP			
EP 0 214803	3/1987	EP			
EP 1043072	10/2000	EPO			
JP 55086552	6/30/80	Japan			Abstract only
PCT/US00/06561	9/2000	WO			
PCT/US00/06945	9/2000	WO			
PCT/US95/13447	4/1996	WO			
PCT/US96/03018	12/1996	WO			

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		WO 00/44502	8/2000	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	IBM Technical Disclosure Bulletin NN7407404, "Plasmapheresis System", 7/74, vol. 17:2, pp. 404-405.
	International Search Report PCT/US 01/46953
	International Search Report PCT/US 95/13447
	Schoendorfer, D.W., "Automation in Apheresis", pp. 129-146, undated.

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